	Application No.	Applicant(s)
Notice of Allowability	10/649,002	KIM, JAE-HWAN
	Examiner	Art Unit	
	Dai A. Phuong	2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *07/25/2007*.

2. ☒ The allowed claim(s) is/are *1-4, 7-12, 14 and 15*.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☒ All   b) ☐ Some*   c) ☐ None of the:

       1. ☒ Certified copies of the priority documents have been received.

       2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

       3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

       1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

       Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☐ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

DUC M. NGUYEN
SUPERVISORY PRIMARY EXAMINER
TECHNOLOGY CENTER 2600

DETAILED ACTION

Examiner amendment

1.   An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ammanuel Coffy (516) 228-3565 on 09/27/2007.

The application has been amended as follow:

In The Claims:

11. (Currently amended) A method for organizing a menu in a mobile communication terminal, comprising: generating dynamically and deleting a plurality of menu planes according to a user's setting, each plane including at least one menu item;

generating a first menu plane of a polyhedron including at least one menu registration slot associated with a registered menu when a menu is registered by a user; and

registering a menu item to a menu registration slot of the generated menu plane of the polyhedron;

displaying a second menu plane of a plurality of menu planes if a menu selection cursor moves from said at least one menu registration slot so as to exit the first menu plane of the plurality of menu planes; and

enabling an empty menu item slot to inherit the menu item of the menu registration slot in the first menu plane corresponding to the empty menu slot if there is an empty menu item slot in the second plane, displaying the inherited menu item on the empty menu slot.

Examiner Remark

2.   The Applicant, Emmanuel Coffy, called and authorized the Examiner to correct antecedent basis in the claim on 09/27/2007.

Reasons for Allowance

3.   This office action is response to amendment filed on 07/25/2007. Claims 6 and 13 have been canceled in response filed on 07/25/2007.   Claims 1-4, 7-12 and 14-15 are currently pending.

The following is an examiner's statement of reasons for allowed:

Regarding claim 1, the prior art record does not disclose nor fairly suggest a device for organizing a menu in a mobile communication terminal, comprising:

a control unit for dynamically generating and deleting a plurality of menu planes according to a user's setting, each plane including at least one menu item; *a control unit for enabling multi-dimensional navigation between the generated menu planes wherein when there is an empty menu registration slot in the new menu plane, the control unit enables the empty menu item slot to inherit a menu item of a menu registration slot in a previous menu plane, the menu registration slot of the previous menu plane corresponding to the empty menu item slot, and the control unit enables the display unit to display the inherited menu item on the empty menu item slot; and a display unit for receiving the menu planes from the control unit and displaying the received menu planes under control of the control unit wherein when*

a user registers a menu, the control unit generates a plurality of menu planes including at least one user menu registration slot connected to the registered menu, and, if a menu selection cursor moves from at least one user menu registration slot in a first menu plane of the plurality of menu planes so as to exit the first menu plane, the control unit moves the menu selection cursor to a second menu plane of the plurality of menu planes, all limitations in combination as defined by applicant.

Regarding claim 11, the prior art record does not disclose nor fairly suggest a method for organizing a menu in a mobile communication terminal, comprising:

generating dynamically and deleting a plurality of menu planes according to a user's setting, each plane including at least one menu item; generating a first menu plane of a polyhedron including at least one menu registration slot associated with a registered menu when a menu is registered by a user; and registering a menu item to a menu registration slot of the generated menu plane of the polyhedron; displaying a second menu plane of a plurality of menu planes if a menu selection cursor moves from said at least one menu registration slot so as to exit the first menu plane of the plurality of menu planes; and enabling an empty menu item slot to inherit the menu item of the menu registration slot in the first menu plane corresponding to the empty menu slot if there is an empty menu item slot in the second plane, displaying the inherited menu item on the empty menu slot, all limitations in combination as defined by applicant.

4.   Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee.   Such submission should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Conclusion

5.   Any inquiry concerning this communication or earlier communications from the
examiner should be directed to Dai A Phuong whose telephone number is 571-272-7896. The
examiner can normally be reached on Monday to Friday, 9:00 A.M. to 5:00 P.M..

        If attempts to reach the examiner by telephone are unsuccessful, the examiner's
supervisor, Nguyen M Duc can be reached on 571-272-7503. The fax phone number for the
organization where this application or proceeding is assigned is 703-872-9306.

        Information regarding the status of an application may be obtained from the Patent
Application Information Retrieval (PAIR) system. Status information for published applications
may be obtained from either Private PAIR or Public PAIR. Status information for unpublished
applications is available through Private PAIR only. For more information about the PAIR
system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR
system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dai Phuong
AU: 2617
Date: 09/28/2007

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